



Virtual channel: dynamic structuring and continuous queries for data on the air

- Sumiya, K.; Tanaka, K.

Graduate Sch. of Sci. & Technol., Kobe Univ., Japan

This Paper Appears in :

Communications, Computers and Signal Processing, 1997. 10 Years PACRIM 1987-1997 - Networking the Pacific Rim. 1997 IEEE Pacific Rim Conference on

on Pages: 715 - 720 vol.2

This Conference was Held : 20-22 Aug. 1997

1997

Vol. 2

ISBN: 0-7803-3905-3

IEEE Catalog Number: 97CH36060

Total Pages: 2 vol. xxiii+1021

References Cited: 8

Accession Number: 5745743

Abstract:

This paper proposes a restructuring method for data via digital video satellite broadcasting systems. The research is motivated by development of the EPG (electronic television program guide) system for browsing through the content of a few hundred channels. It is not possible for users to check each piece of data all the time. We propose a new approach to reorganize the EPG data for retrieving the desired television program information instead of a system-defined EPG.

Subject Terms:

direct broadcasting by satellite; dynamic structuring; continuous queries; virtual channel; data restructuring method; digital video satellite broadcasting systems; electronic television program guide; television program information retrieval

| [IEL Online Home](#) | [Search](#) | [Advanced Search](#) | [What's New](#) | [Help](#) | [Logout](#) |
| [FAQ's](#) | [Support](#) | [Comments](#) |

Copyright 1999 Institute of Electrical and Electronics Engineers. All rights reserved.

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
135 and search	23

Database:

US Patents Full-Text Database ▲

JPO Abstracts Database

EPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins ▼

Refine Search:[Clear](#)**Search History****Today's Date: 2/6/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	l35 and search	23	<u>L36</u>
USPT	l20 and (program listings or tv listings)	37	<u>L35</u>
USPT	l1 and l27	0	<u>L34</u>
USPT	l1 and l26	8	<u>L33</u>
USPT	l1 and l25	2	<u>L32</u>
USPT	l1 and l24	57	<u>L31</u>
USPT	l1 and l23	14	<u>L30</u>
USPT	l1 and l20	65	<u>L29</u>
USPT	l1 and l19	2	<u>L28</u>
USPT	((((725/7)! .CCLS.)	24	<u>L27</u>
USPT	((((725/1)! .CCLS.)	113	<u>L26</u>
USPT	((((463/42)! .CCLS.)	221	<u>L25</u>
USPT	((((348/569)! .CCLS.)	210	<u>L24</u>
USPT	((((348/460)! .CCLS.)	138	<u>L23</u>
USPT	((((348/7)! .CCLS.)	0	<u>L22</u>
USPT	((((348/1)! .CCLS.)	0	<u>L21</u>
USPT	((((345/327)! .CCLS.)	257	<u>L20</u>
USPT	((707/100)! .CCLS.)	690	<u>L19</u>
USPT	l16 and search	48	<u>L18</u>
USPT	l16 and (program listings or tv listings)	84	<u>L17</u>
USPT	l13 and (program listings or tv listings)	84	<u>L16</u>
USPT	l13 and search	495	<u>L15</u>
USPT	l10 and tv adj program adj guide	1	<u>L14</u>
USPT	l10 and program or tv adj guide	1222	<u>L13</u>
USPT	l10 and program! or tv adj guide	1187	<u>L12</u>
USPT	l10 and (program! or tv adj1 guide)	1043	<u>L11</u>
USPT	((345/35\$)! .CCLS.)	1312	<u>L10</u>
USPT	l2 and samsung.as.	0	<u>L9</u>
USPT	l1 and samsung.as.	18	<u>L8</u>
USPT	l1 and microsoft.as.	25	<u>L7</u>
USPT	l2 and microsoft.as.	5	<u>L6</u>
USPT	l1 and microsoft.in.	0	<u>L5</u>
USPT	l2 and microsoft.in.	0	<u>L4</u>
USPT	l2 and search	70	<u>L3</u>
USPT	l1 and (program listings or tv listings)	146	<u>L2</u>
USPT	(electronic guide or program guide or tv guide)	796	<u>L1</u>